

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1           **Claim 1 (currently amended):** A laser oscillator  
2       device comprising:  
3           an excitation beam source for generating an excitation  
4       beam;  
5           a lasing medium receiving said excitation beam for  
6       amplifying light;  
7           a laser oscillator for inducing resonance of light  
8       emitted from said lasing medium to perform laser  
9       oscillation; and  
10          a cooling system comprising a cooling holder for  
11       cooling and holding said lasing medium;  
12          said cooling system using a gas as a heat-carrying  
13       medium;  
14          said cooling holder being in the shape of a tube  
15       having openings on both end and housing a lasing medium;  
16       and  
17       said cooling holder and said lasing medium contacting  
18       each other at only a single surface.

1           **Claim 2 (currently amended):** A laser oscillator  
2       device in accordance with claim 1, wherein said cooling  
3       system cools the lasing medium to a temperature lower than  
4       the evaporation temperature of liquid nitrogen.

**Claims 3-7 (canceled)**

1           **Claim 8 (currently amended):** A laser oscillator  
2       device in accordance with claim [[5]]1, wherein said  
3       cooling holder is composed mainly of copper.

1           **Claim 9 (original):** A laser oscillator device in  
2       accordance with claim 1, wherein said lasing medium is a  
3       titanium sapphire crystal.

1           **Claim 10 (currently amended):** A laser oscillator  
2       device in accordance with claim [[5]]1, wherein said lasing  
3       medium and said cooling holder are attached by means of a  
4       material selected from among indium, silver paste, epoxy  
5       and varnish.

1           **Claim 11 (new):** A laser oscillator device comprising:  
2       an excitation beam source for generating an excitation  
3       beam;  
4       a lasing medium receiving said excitation beam for  
5       amplifying light;

6           a laser oscillator for inducing resonance of light  
7   emitted from said lasing medium to perform laser  
8   oscillation; and

9           a cooling system for cooling said lasing medium, said  
10   cooling system using a gas having a temperature of 70 K or  
11   less as a heat-carrying medium.

1           **Claim 12 (new):**   A laser oscillator device in  
2   accordance with claim 11, wherein said cooling system cools  
3   the lasing medium to a temperature lower than the  
4   evaporation temperature of liquid nitrogen.

1           **Claim 13 (new):**   A laser oscillator device in  
2   accordance with claim 11, wherein said cooling holder is  
3   composed mainly of copper.

1           **Claim 14 (new):**   A laser oscillator device in  
2   accordance with claim 11, wherein said lasing medium is a  
3   titanium sapphire crystal.

1           **Claim 15 (new):**   A laser oscillator device in  
2   accordance with claim 11, wherein said lasing medium and  
3   said cooling holder are attached by means of a material  
4   selected from among indium, silver paste, epoxy and  
5   varnish.